

## 2016 AGU Fall Meeting Scientific Program

### Tectonophysics

Topic	Number	Session	CoSponsors	CoOrganized	Date	StartTime	EndTime	Room	Property
Tectonophysics	T11A	Asian Tectonics: From Continental Collision to Subduction I Posters	G,S		12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Tectonophysics	T11B	Characterizing the Evolution of Craton Margins I Posters	DI,S,V	S	12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Tectonophysics	T11C	NW Pacific Marginal Basins: Geodynamics and Hazard I Posters	NH,OS,SI,V		12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Tectonophysics	T11D	The Aleutian-Alaska Arc: Volcanic and Tectonic Processes I Posters	S	V	12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Tectonophysics	T11E	Evolution and Mechanics of Low-Angle, Normal-Sense Detachment Faults and Their Relationship to Metamorphic Core Complexes and Gneiss Domes I			12/12/2016	8:00:00	10:00:00	308	Moscone South
Tectonophysics	T11F	Interpreting the Geometry, Rheology, and Deformation Mechanisms of the Slow Earthquake Source I	G,MR,S	G,MR,S	12/12/2016	8:00:00	10:00:00	306	Moscone South
Tectonophysics	T11G	Neotectonics, Seismology, and Surface Processes in South and East Asia I		EP,S	12/12/2016	8:00:00	10:00:00	103	Moscone South
Tectonophysics	T12A	Neotectonics, Seismology, and Surface Processes in South and East Asia II		EP,S	12/12/2016	10:20:00	12:20:00	103	Moscone South
Tectonophysics	T12B	Strain Localization in the Lithosphere: From Experiments to Nature I	MR		12/12/2016	10:20:00	12:20:00	306	Moscone South
Tectonophysics	T13A	Bridging Tectonics and Earthquake Cycles I Posters	G,S		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Tectonophysics	T13B	Characterization of Oceanic Crust: Ridge to Trench Evolution I Posters	MR,OS,S,V		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Tectonophysics	T13C	Exploring the Theory of Plate Tectonics: The Nature and Role of the Mantle Lithosphere I Posters	DI,S,V		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South

<b>Tectonophysics</b>	T13D	Neotectonics, Seismology, and Surface Processes in South and East Asia III		EP,S	12/12/2016	13:40:00	15:40:00	102	Moscone South
<b>Tectonophysics</b>	T13E	Strain Localization in the Lithosphere: From Experiments to Nature II	MR		12/12/2016	13:40:00	15:40:00	306	Moscone South
<b>Tectonophysics</b>	T14A	Neotectonics, Seismology, and Surface Processes in South and East Asia IV		EP,S	12/12/2016	16:00:00	18:00:00	102	Moscone South
<b>Tectonophysics</b>	T14B	Strain Localization in the Lithosphere: From Experiments to Nature III	MR		12/12/2016	16:00:00	18:00:00	306	Moscone South
<b>Tectonophysics</b>	T14C	The Aleutian-Alaska Arc: Volcanic and Tectonic Processes II	S	V	12/12/2016	16:00:00	18:00:00	304	Moscone South
<b>Tectonophysics</b>	T21A	Evolution and Mechanics of Low-Angle, Normal-Sense Detachment Faults and Their Relationship to Metamorphic Core Complexes and Gneiss Domes II Posters			12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T21B	Insights on the Tectonic Evolution of the Salton Trough and Northern Gulf of California from Recent Multidisciplinary Studies Posters		G,S	12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T21C	Interpreting the Geometry, Rheology, and Deformation Mechanisms of the Slow Earthquake Source II Posters	G,MR,S	G,MR,S	12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T21D	Strain Localization in the Lithosphere: From Experiments to Nature IV Posters	MR		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T21E	Bridging Tectonics and Earthquake Cycles II	G,S		12/13/2016	8:00:00	10:00:00	102	Moscone South
<b>Tectonophysics</b>	T21F	Characterizing the Evolution of Craton Margins II	DI,S,V	S	12/13/2016	8:00:00	10:00:00	306	Moscone South
<b>Tectonophysics</b>	T22A	Asian Tectonics: From Continental Collision to Subduction II	G,S		12/13/2016	10:20:00	12:20:00	308	Moscone South

<b>Tectonophysics</b>	T22B	Bridging Tectonics and Earthquake Cycles III	G,S		12/13/2016	10:20:00	12:20:00	103	Moscone South
<b>Tectonophysics</b>	T22C	Characterization of Oceanic Crust: Ridge to Trench Evolution II	MR,OS,S,V		12/13/2016	10:20:00	12:20:00	306	Moscone South
<b>Tectonophysics</b>	T22D	State of the Art in Computational Geoscience I	DI,H,IN,S		12/13/2016	10:20:00	12:20:00	304	Moscone South
<b>Tectonophysics</b>	T23A	Neotectonics, Seismology, and Surface Processes in South and East Asia V Posters		EP,S	12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T23B	Neotectonics, Seismology, and Surface Processes in South and East Asia VI Posters		EP,S	12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T23C	State of the Art in Computational Geoscience II Posters	DI,H,IN,S		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T23D	Bridging Tectonics and Earthquake Cycles IV	G,S		12/13/2016	13:40:00	15:40:00	103	Moscone South
<b>Tectonophysics</b>	T23E	Exploring the Theory of Plate Tectonics: The Nature and Role of the Mantle Lithosphere II	DI,S,V		12/13/2016	13:40:00	15:40:00	306	Moscone South
<b>Tectonophysics</b>	T23F	NW Pacific Marginal Basins: Geodynamics and Hazard II	NH,OS,SI,V		12/13/2016	13:40:00	15:40:00	308	Moscone South
<b>Tectonophysics</b>	T24A	Natural Laboratories of Climate-Erosion-Tectonic Interactions during Mountain Building I		EP	12/13/2016	16:00:00	18:00:00	306	Moscone South
<b>Tectonophysics</b>	T31A	Natural Laboratories of Climate-Erosion-Tectonic Interactions during Mountain Building II Posters		EP	12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T31B	Secular Change in Earth Processes: Shifting Uniformitarianism I Posters			12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T31C	Subduction Top to Bottom (ST2B-2) I Posters	DI,MR,S,V		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T31D	Subduction Top to Bottom (ST2B-2) II Posters	DI,MR,S,V		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T31E	Subduction Top to Bottom (ST2B-2) III Posters	DI,MR,S,V		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T31F	Subduction Top to Bottom (ST2B-2) IV Posters	DI,MR,S,V		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Tectonophysics	T31G	Dynamic Interactions between Structure, Fluids, and Geochemistry I	H,PA	H	12/14/2016	8:00:00	10:00:00	306	Moscone South
Tectonophysics	T31H	Transform Plate Boundary Behavior from Milliseconds to Mega-Annum and Oceans to Continents I	S,V	S	12/14/2016	8:00:00	10:00:00	310	Moscone South
Tectonophysics	T32A	Accretion Modes, Structure, and Processes at Slow- and Ultra-slow Spreading Mid-Ocean Ridges I	S,V	V	12/14/2016	10:20:00	12:20:00	310	Moscone South
Tectonophysics	T32B	High-Resolution Topography and Dating in Active Tectonics I	EP,NH		12/14/2016	10:20:00	12:20:00	306	Moscone South
Tectonophysics	T32C	Origin, Architecture, and Dynamics of Extensional Basins I	EP,S,V		12/14/2016	10:20:00	12:20:00	103	Moscone South
Tectonophysics	T33A	Accretion Modes, Structure, and Processes at Slow- and Ultra-slow Spreading Mid-Ocean Ridges II Posters	S,V	V	12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Tectonophysics	T33B	Linking Surface and Upper Crustal Kinematics to Deeper Crust and Mantle Flow in Collisions I Posters	EP,G,S,V		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Tectonophysics	T33C	Transform Plate Boundary Behavior from Milliseconds to Mega-Annum and Oceans to Continents II Posters	S,V	S	12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Tectonophysics	T33D	High-Resolution Topography and Dating in Active Tectonics II	EP,NH		12/14/2016	13:40:00	15:40:00	306	Moscone South
Tectonophysics	T33E	Origin, Architecture, and Dynamics of Extensional Basins II	EP,S,V		12/14/2016	13:40:00	15:40:00	103	Moscone South
Tectonophysics	T34A	<b>Birch Lecture</b>			12/14/2016	16:00:00	18:00:00	104	Moscone South
Tectonophysics	T41A	Advanced Technology and Multidisciplinary Approaches in Structure and Tectonics I Posters	EP,NH		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Tectonophysics	T41B	High-Resolution Topography and Dating in Active Tectonics III Posters	EP,NH		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Tectonophysics	T41C	Mesozoic to Recent Evolution of the Gulf of Mexico Basin from Integrated Geologic and Geophysical Data Sets I Posters			12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South

<b>Tectonophysics</b>	T41D	Multidisciplinary Records of Climate-Tectonic Interactions I Posters			12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T41E	Origin, Architecture, and Dynamics of Extensional Basins III Posters	EP,S,V		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T41F	Linking Surface and Upper Crustal Kinematics to Deeper Crust and Mantle Flow in Collisions II	EP,G,S,V		12/15/2016	8:00:00	10:00:00	306	Moscone South
<b>Tectonophysics</b>	T41G	Subduction Top to Bottom (ST2B-2) V	DI,MR,S,V		12/15/2016	8:00:00	10:00:00	103	Moscone South
<b>Tectonophysics</b>	T42A	Properties of Active Fault Damage Zone and Fault Dating I	S		12/15/2016	10:20:00	12:20:00	310	Moscone South
<b>Tectonophysics</b>	T42B	Sedimentary Basin Records of Convergent Orogenic Systems I	EP,GP,PP,V		12/15/2016	10:20:00	12:20:00	306	Moscone South
<b>Tectonophysics</b>	T42C	Subduction Top to Bottom (ST2B-2) VI	DI,MR,S,V		12/15/2016	10:20:00	12:20:00	103	Moscone South
<b>Tectonophysics</b>	T42D	The Eastern North American Margin: Structure, Dynamics, History, and Processes I	S		12/15/2016	10:20:00	12:20:00	304	Moscone South
<b>Tectonophysics</b>	T43A	Dynamic Interactions between Structure, Fluids, and Geochemistry II Posters	H,PA	H	12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T43B	Integrating Multiple Geo-observables to Robustly Constrain Crust and Uppermost Mantle Structure and Dynamics at Global and Continental Scales I Posters	DI,MR,S,V	S	12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T43C	Interrelation between Seismicity and Gravity Field Anomalies: New Insights into Earthquake Rupture Processes I Posters	S		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T43D	Properties of Active Fault Damage Zone and Fault Dating II Posters	S		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T43E	The State of Stress in the Crust from Fracture and Failure to Plate Tectonics I Posters			12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South

<b>Tectonophysics</b>	T43F	Advanced Technology and Multidisciplinary Approaches in Structure and Tectonics II	EP,NH		12/15/2016	13:40:00	15:40:00	306	Moscone South
<b>Tectonophysics</b>	T43G	One Rift, Two Rift, Magma-Rich Rift, Magma-Poor Rift: Deformation, Magmatism, Volatile Fluxes, and Their Consequences in the East African Rift System II	EP,G,S,V	EP,G,S,V	12/15/2016	13:40:00	15:40:00	304	Moscone South
<b>Tectonophysics</b>	T43H	Subduction Top to Bottom (ST2B-2) VII	DI,MR,S,V		12/15/2016	13:40:00	15:40:00	103	Moscone South
<b>Tectonophysics</b>	T44A	Mesozoic to Recent Evolution of the Gulf of Mexico Basin from Integrated Geologic and Geophysical Data Sets II			12/15/2016	16:00:00	18:00:00	310	Moscone South
<b>Tectonophysics</b>	T44B	Multidisciplinary Records of Climate-Tectonic Interactions II			12/15/2016	16:00:00	18:00:00	306	Moscone South
<b>Tectonophysics</b>	T44C	One Rift, Two Rift, Magma-Rich Rift, Magma-Poor Rift: Deformation, Magmatism, Volatile Fluxes, and Their Consequences in the East African Rift System III	EP,G,S,V	EP,G,S,V	12/15/2016	16:00:00	18:00:00	304	Moscone South
<b>Tectonophysics</b>	T51A	Making the Mediterranean: From Mantle to Surface Processes I Posters			12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T51B	Models and Experiments that Couple Flow and Deformation in the Shallow Crust I Posters	C,MR,NH,OS		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T51C	One Rift, Two Rift, Magma-Rich Rift, Magma-Poor Rift: Deformation, Magmatism, Volatile Fluxes, and Their Consequences in the East African Rift System I Posters	EP,G,S,V	EP,G,S,V	12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T51D	Sedimentary Basin Records of Convergent Orogenic Systems II Posters	EP,GP,PP,V		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South

<b>Tectonophysics</b>	T51E	Subduction Zone Earthquakes and the Role of Asperities in Rupture Propagation and Aftershock Sequences: Insights from the 16 April 2016 Pedernales, Ecuador Earthquake I Posters	G,NH,S		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T51F	Tectonic Evolution of the U.S. Northern Rocky Mountains I Posters		S,V	12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T51G	The Eastern North American Margin: Structure, Dynamics, History, and Processes II Posters	S		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
<b>Tectonophysics</b>	T51H	Integrating Multiple Geo-observables to Robustly Constrain Crust and Uppermost Mantle Structure and Dynamics at Global and Continental Scales II	DI,MR,S,V	S	12/16/2016	8:00:00	10:00:00	306	Moscone South
<b>Tectonophysics</b>	T51I	Subduction Top to Bottom (ST2B-2) VIII	DI,MR,S,V		12/16/2016	8:00:00	10:00:00	104	Moscone South
<b>Tectonophysics</b>	T52A	Integrating Multiple Geo-observables to Robustly Constrain Crust and Uppermost Mantle Structure and Dynamics at Global and Continental Scales III	DI,MR,S,V	S	12/16/2016	10:20:00	12:20:00	306	Moscone South
<b>Tectonophysics</b>	T52B	Subduction Top to Bottom (ST2B-2) IX	DI,MR,S,V		12/16/2016	10:20:00	12:20:00	104	Moscone South
<b>Tectonophysics</b>	T52C	The State of Stress in the Crust from Fracture and Failure to Plate Tectonics II		MR	12/16/2016	10:20:00	12:20:00	310	Moscone South
<b>Tectonophysics</b>	T53A	Interrelation between Seismicity and Gravity Field Anomalies: New Insights into Earthquake Rupture Processes II	S		12/16/2016	13:40:00	15:40:00	309	Moscone South
<b>Tectonophysics</b>	T53B	Making the Mediterranean: From Mantle to Surface Processes II			12/16/2016	13:40:00	15:40:00	308	Moscone South
<b>Tectonophysics</b>	T53C	Secular Change in Earth Processes: Shifting Uniformitarianism II			12/16/2016	13:40:00	15:40:00	307	Moscone South

<b>Tectonophysics</b>	T53D	Tectonic Evolution of the U.S. Northern Rocky Mountains II		S,V	12/16/2016	13:40:00	15:40:00	306	Moscone South
<b>Tectonophysics</b>	T54A	Making the Mediterranean: From Mantle to Surface Processes III			12/16/2016	16:00:00	18:00:00	308	Moscone South
<b>Tectonophysics</b>	T54B	Models and Experiments that Couple Flow and Deformation in the Shallow Crust II	C,MR,NH,OS		12/16/2016	16:00:00	18:00:00	306	Moscone South
<b>Tectonophysics</b>	T54C	Subduction Zone Earthquakes and the Role of Asperities in Rupture Propagation and Aftershock Sequences: Insights from the 16 April 2016 Pedernales, Ecuador Earthquake II	G,NH,S		12/16/2016	16:00:00	18:00:00	304	Moscone South